

### ABSTRACT

Hibernating myocardium is characterized by viable myocardium with impaired function due to localized reduced perfusion. Hibernating myocytes retain cellular integrity, but cannot sustain high-energy requirements of contraction. High plasma levels of catecholamines, such as norepinephrine, are believed to be predictive of mortality from hibernating myocardium. Likewise, high levels of catecholamines lead to cardiomyopathy in patients with diabetes. GLP-1 reduces plasma norepinephrine levels, and it thus is useful in a method of treating hibernating myocardium or diabetic cardiomyopathy.

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